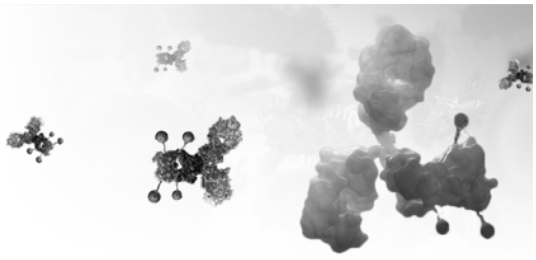

Human RPS6KA2 peptide (DAG-P1074)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	This gene encodes a member of the RSK (ribosomal S6 kinase) family of serine/threonine kinases. This kinase contains 2 non-identical kinase catalytic domains and phosphorylates various substrates, including members of the mitogen-activated kinase (MAPK) signalling pathway. The activity of this protein has been implicated in controlling cell growth and differentiation. Alternate transcriptional splice variants, encoding different isoforms, have been characterized. [provided by RefSeq, Jul 2008]
Specificity	Widely expressed with higher expression in lung, skeletal muscle, brain, uterus, ovary, thyroid and prostate.
Conjugate	Unconjugated
Sequence Similarities	Belongs to the protein kinase superfamily. AGC Ser/Thr protein kinase family. S6 kinase subfamily.Contains 1 AGC-kinase C-terminal domain.Contains 2 protein kinase domains.
Format	Liquid
Preservative	None
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. Information available upon request.

GENE INFORMATION

Gene Name	RPS6KA2 ribosomal protein S6 kinase, 90kDa, polypeptide 2 [Homo sapiens (human)]
Official Symbol	RPS6KA2
Synonyms	RPS6KA2; ribosomal protein S6 kinase, 90kDa, polypeptide 2; RSK; HU-2; RSK3; p90-RSK3; pp90RSK3; MAPKAPK1C; S6K-alpha; S6K-alpha2; ribosomal protein S6 kinase alpha-2; RSK-3; p90RSK2; p90-RSK 2; MAPKAPK-1c; S6K-alpha-2; MAPKAP kinase 1c; ribosomal S6

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	kinase 3; MAPK-activated protein kinase 1c; ribosomal protein S6 kinase alpha 2; 90 kDa ribosomal protein S6 kinase 2; MAP kinase-activated protein kinase 1c; ribosomal protein S6 kinase 90kDa polypeptide 2;
Entrez Gene ID	6196
mRNA Refseq	NM_001006932.1
Protein Refseq	NP_001006933.1
UniProt ID	Q15349
Chromosome Location	6q27
Pathway	Activated TLR4 signalling, organism-specific biosystem; Activation of NMDA receptor upon glutamate binding and postsynaptic events, organism-specific biosystem; Axon guidance, organism-specific biosystem; CREB phosphorylation, organism-specific biosystem; CREB phosphorylation through the activation of Ras, organism-specific biosystem; Cellular Senescence, organism-specific biosystem; Cellular responses to stress, organism-specific biosystem; Cytoplasmic Ribosomal Proteins, organism-specific bios
Function	ATP binding; magnesium ion binding; protein binding; protein serine/threonine kinase activity; ribosomal protein S6 kinase activity;

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